# Romer 2m x 2m x 2m 225°C Electric Oven

## Sorry, this machine is no longer available

We might be able to meet your requirements with other Industrial Ovens machines.

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|---|---|
| Stock No | OY2040 |
| Manufacturer | Romer |
| Model | SLS-450 |
| Year of Manufacture | 2020 |
| Serial | 517022020921131 |
| Condition | Brand New, Unused, Current Model |
| Internal Size (WxDxH mm) | 2000 x 2000 x 2000 |
| Max Temp | 225°C |
| Other Info | HMI Screen ThPID Control |
| Weight (kgs) | 1566 kg |
| External Dimensions (WxDxH mm) | 2520 x 2300 x 2710 |

## Description

Romer 225°C Industrial Oven

Romer Electric Ovens are 225°C general purpose, electric, batch ovens ideal for a vast range of low temperature thermal processes such as drying, curing and pre-heating.

These ovens are from the well respected Polish manufacturer, Romer, and include upgraded controls and build features for the UK market, as designed by Riley Surface World.

Constructed from a heavy duty steel box sectioned frame with infilled 160 and 300 mm thick insulated galvanized panels and externally clad in a hard wearing powder coated finish.

During use air is circulated around the oven by a roof mounted fan through adjustable hot air vents in the side panels. Extraction of air during or after the cycle is passive, with programmable vents, or a forced air extraction is available.

The MTS + ThPID iCure Controller included, improves the functionality of the oven by offering user control of all of the processing parameters and well as offering full tractability not only of the process, but also power consumption. The controller comes complete with additional PC software, so any data stored in the controller can be recorded and transferred to your own PC for review and archiving.

## Typical applications

- Powder Coating Curing Processes
- Water based paint stoving
- Curing resins, rubbers and composites materials
- Pre heating and low temperature heat treatments
- Processing plastics
- Thermal bonding
- Drying applications
- Thermal testing etc.

## Benefits and Features

- Forced air *circulation* with roof mounted
- Multi positional hot air return vents for uniform heat distribution
- Passive air *extraction*
- Double loading doors with adjustable, explosion proof, slam shut positive, door locks
- Tested to better than ± 5°C over a 9 point survey
- Controlled and automatic exhaust damper for programmed fume extraction as you need for your process
- Insulated floor with trolley entry channels
- Galvanised coated internal work chamber sheets
- Modular electric heating system - Swiss made finned elements, easy access panel, and an innovative design offering instant heat generation
- Silicone door seals
- 240mm + insulation
- CE Marked
- NADCAP available
- Product trolley supplied

- 1 year manufacturer warranty

### Controls

- **ThPID** control system offsets the effect of heating inertia called hysteresis. The standard solution is based on a circuit that switches elements on and off with constant power. ThPID dynamically adjusts the voltage at the setpoint temperature reducing power user and increasing accuracy
- **MTS** control system provides more accurate temperature measurement by using multiple sensors across the oven chamber
- Side mounted control panel with HMI display and an easy view status sounder and light bar
- Over temperature protection
- PLC controlled with iCure 7" Touch screen HMI panel with programmable functionality
- Large colour touch panel, providing full control of all operational parameters.
- Save up to 5 programs and activate up to 50 consecutive events governing ramps, dwells, time and temperatures for each programme.
- Start timer - begin your process before you reach the factory
- On-board energy consumption monitoring and recording
- Process memory review
- USB port for data capture to PC based **iCure** analysis software

## Romer - Experienced Oven Manufacturer

The outstanding feature of Romer ovens is the *quality* of manufacturing. Everyone who stands in front of a Romer, from buyers to calibration engineers, have commented how *well constructed* they are.

Image: Romer Industrial Ovens

Romer have been manufacturing ovens and powder coating machines from their base in central Poland for over *25 years* and export to 40 countries worldwide. Their 8,000m² facility employs over 150 staff and has passed Riley Surface World's inspection and auditing requirements.

Riley Surface World and Romer have *secured a partnership* to service the UK market with large (over 1m²) ovens up to 225°C. These ovens are perfect for curing powder *coating* but the range of applications is large.

## Specifications

- Doors – 2
- Product Trolley Supplied
- Maximum continual process temperature: 225°C
- Power rating:  45 kW
- Heat up Time: 15 – 40 mins to 180°C
- Tolerance: <+/- 5°C @ 180°C

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**